CSIS4175 MOBILE 2

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# Project Specifications: Run Tracker Wizard

## What is Run Tracker Wizard?

Run Tracker Wizard is an app for tracking your run or sprint workouts. It features workout for levels: beginner, intermediate, and advanced.

**MECHANICS**

Each workout involves several ROUNDS. A round is comprised

* RUN: Where your are expected to run a specific **distance within a time duration**
* REST: Where you are expected to walk for a specific **time duration**.

**EXAMPLE**

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| Taper Down Run; Level: Advanced   * Round1: RUN 1km in 10mins; REST 1.5mins * Round2: RUN 600m in 8mins; REST 2mins * Round3: RUN 400m in 4mins; REST 1.5mins * Round3: RUN 400m in 4mins; REST 2mins * Round3: RUN 800m in 10mins; REST 1.5mins | name = "Taper Down Run"; level = "Advanced"; course = new Round[]{  new Round(1000, 10, 1.5),  new Round(600, 8, 2),  new Round(400, 4, 1.5),  new Round(400, 4, 2),  new Round(800, 10, 1.5), }; |

## Technologies Used

**VERSIONS**

* Android Version: Android Studio Dolphin | 2021.3.1 Patch 1
* SDK: 33

**3RD PARTY API: Location Finder and Distance Tracker**

* **Google Play Services: Location API**:  
  We use Google Play Services Location to:

1. Get exact location of the run.
2. To calculate the Kilometer the user has covered

* Here is the reference for Location Services

<https://developers.google.com/android/reference/com/google/android/gms/location/LocationServices>

## Testing

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| **Testing on Android Studio**   * For testing I have used *Pixel 6 Pro API 33*. * When testing on Android Studio, the location finder will use a Google Location’s default address in USA. * Refer to User Guide |  |

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| **Testing on your physical Android Phone**   * The app with the locator and distance tracker is functional * A bundle APK is included in the zip files to be installed in a physical android phone (See below for more) * Simply move around your office or house to trigger the distance tracker * Your current location will also show in the Run activity |  |

A video of the app in action is included in the submission as evidence for a working APP

**How to get a build APK** From Android Studio:

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| **Step 1:** Build > Build Bundle(s) / APK(s) > Build APK(s) | **Step 2:** Click Locate on snack bar at lower right of screen |